MEDRIPAL 411



Industrial & Marine Engine Oil



Product Description

MEDRIPAL 11 SERIES is formulated from HVI (High Viscosity Index) base oils with additive package specially designed for medium speed diesel engine.

MEDRIPAL 11 SERIES has sufficient TBN to neutralize combustion acid provides optimum protection against rust, corrosion & excessive wear; has a good balance between oxidation stability, detergency and dispersancy to prevent piston deposit formation and maintain engine cleanliness; and also able to easily separate from dirt and water through centrifugal separator.

Applications

MEDRIPAL 11 SERIES is designed or lubrication of medium speed trunk piston industrial and marine diesel engines burning distillate diesel fuel with sulfur content less than 0.5% wt.

MEDRIPAL 11 SERIES is also recommended for other applications, such as gear, variable pitch propeller and deck machineries.

TYPICAL CHARACTERISTICS			
Characteristics	Test Method	MEDRIPAL 311	MEDRIPAL 411
SAE Viscosity Grade	-	30	40
Density 15 °C, Kg/L	ASTM D - 4052	0.8915	0.8956
Kinematic Viscosity at 40 °C, cSt	ASTM D - 7279	107.00	145.60
at 100 °C, cSt	ASTM D - 7279	11.8	14.45
Viscosity Index	ASTM D - 2270	98	97
ASTM Colour	ASTM D - 1500	L 3.5	L4.0
Flash Point, °C	ASTM D - 92	268	272
Pour Point, °C	ASTM D - 5950	-18	-18
Total Base Number, mg KOH/g	ASTM D - 2896	12	12

Performance Levels

MEDRIPAL 11 SERIES meets performance level of API CF and has been approved by Yanmar.

PRODUCT DATA SHEET Update May 2023 Pertamina Medripal Page 1 / 2

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Health and Safety

Please contact our Industrial Marketing Head Office to get Material Safety Data Sheet as information for Health and Safety Protection

Phone: 62-21 3190 7190/5 Fax: 62-21 3148884/601

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Disclaimer:

Information presented in this Product Data Sheet is as accurate as possible prior to printing. Such information is based upon standard industry tests under controlled laboratory conditions and presented as a guide only. To assess product suitability for its intended application, it is recommended that users refer to the latest version of the Product Data Sheet because the information contained herein is subject to change, without notice, due to the upgrades in product formulation, manufacturers' equipment specifications, user applications and storage.

PRODUCT DATA SHEET Update May 2023 Pertamina Medripal Page 2 / 2